

NPIC/TSSG/DED-1532
14 April 1969

MEMORANDUM FOR: Chief, Engineering Support Division, TSSG
ATTENTION: Chief, Exploratory Laboratory
SUBJECT: Request for Resolution Targets

1. As follow-up to a conversation between [] and the Chief, Exploratory Laboratory, on 8 April 1969, it is requested that a set of special resolution targets be made. These targets will be used by [] personnel to conduct subjective tests of various preliminary screen samples produced by [] under their Improved Rear Projection Screen Materials contract (re: Project #99706-5).

2. Specifically, the set of targets should be produced on 70mm roll film and should consist of five or six Air Force Resolution Target reproductions, centered at 12 inch intervals along the film strip. Approximately six feet of unexposed film should be furnished at each end of this strip to be used as leader and trailer for threading into the viewer. Each target should be of a different level of contrast ($C = \frac{4}{1}$), the minimum representing a just-detectable-at-low-frequency-level ($C + 0.02$ to 0.04) and the maximum about five to one ($C = 4$). The intervening contrast levels should appear at about equal intervals, i.e., at about equal log C steps. The maximum target resolution required for the high contrast target is 160 lines/mm. The remaining lower target resolutions should be as good as can be achieved with reasonable care.

3. In order to meet the planned test schedule, it is requested that this material be delivered to the contract technical monitor, [] (Rm. 58453), no later than 25 April 1969.

4. Additional information/coordination with [] should be through [] telephone []

[]
Chief, Development & Engineering Division, TSSG

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